

ABSTRACT OF THE DISCLOSURE

The present invention relates to a bandgap reference circuit for generating a reference voltage. The bandgap reference circuit comprises an operational amplifier; a plurality of transistors connected to the operational amplifier; a plurality of resistances connected to the plurality of transistors; and a plurality of bipolar transistors connected to the plurality of resistances. A first and a second resistances of the plurality of resistances are used for voltage level shifting so that the operational amplifier can normally operate.